

ABSTRACT OF THE DISCLOSURE

A precision clamp accurately measures force over a wide range of conditions. Using a full bridge or other strain gage configuration, the elastic deformation of the clamp is measured or detected by the strain gages. The strain gages transmit a signal that corresponds to the degree of stress upon the clamp. The strain gage signal is converted to a numeric display. Calibration is achieved by zero and span potentiometers which enable accurate measurements by the force-measuring clamp.

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